OIL ANALYSIS REPORT

TOM ALLMAND MIKE STEAD VOLVO PENTA 2006002889 - STARBOARD DIESEL ENGINE

Sample No: VPA052352

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION VPA052352 Sample Number Sample Date 18 Apr 2024 Machine Hours 0 0 **Oil Hours** Oil Changed N/A NORMAL Sample Status **OIL CONDITION** T: F: Visc @ 100°C cSt 13.3 Base Number (BN) mg KOH/g 9.4 Oxidation (PA) % 58 CONTAMINATION % NEG Water % Soot % 0.2 Nitration (PA) % 53 % Sulfation (PA) 53 Glycol % NEG Fuel % <1.0 Silicon 2 ppm Sodium **||** <1 ppm Potassium 0 ppm WEAR METALS Iron 5 ppm 1 Copper ppm Lead 0 🔲 ppm Tin 0 ppm Aluminum 0 ppm Chromium ppm 0 Molybdenum 64 ppm Nickel 0 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese 0 🔲 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1240 ppm Magnesium 1059 ppm Zinc ppm 1443 Phosphorus ppm 1184 Barium 0 🔲 ppm Boron ppm 0 Depot: Unique No:

Dry Harbour Marine 06357 US 31 South CHARLEVOIX, MI US 49720 Contact: ZACH WARD zach@dryharbourmarine.com

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



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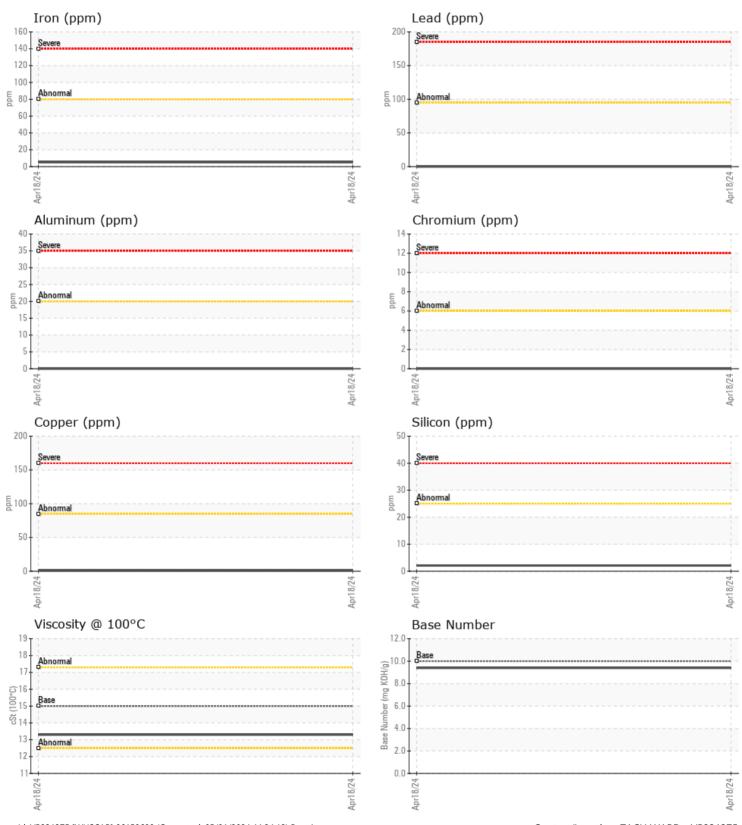
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Contact/Location: ZACH WARD - VP231375